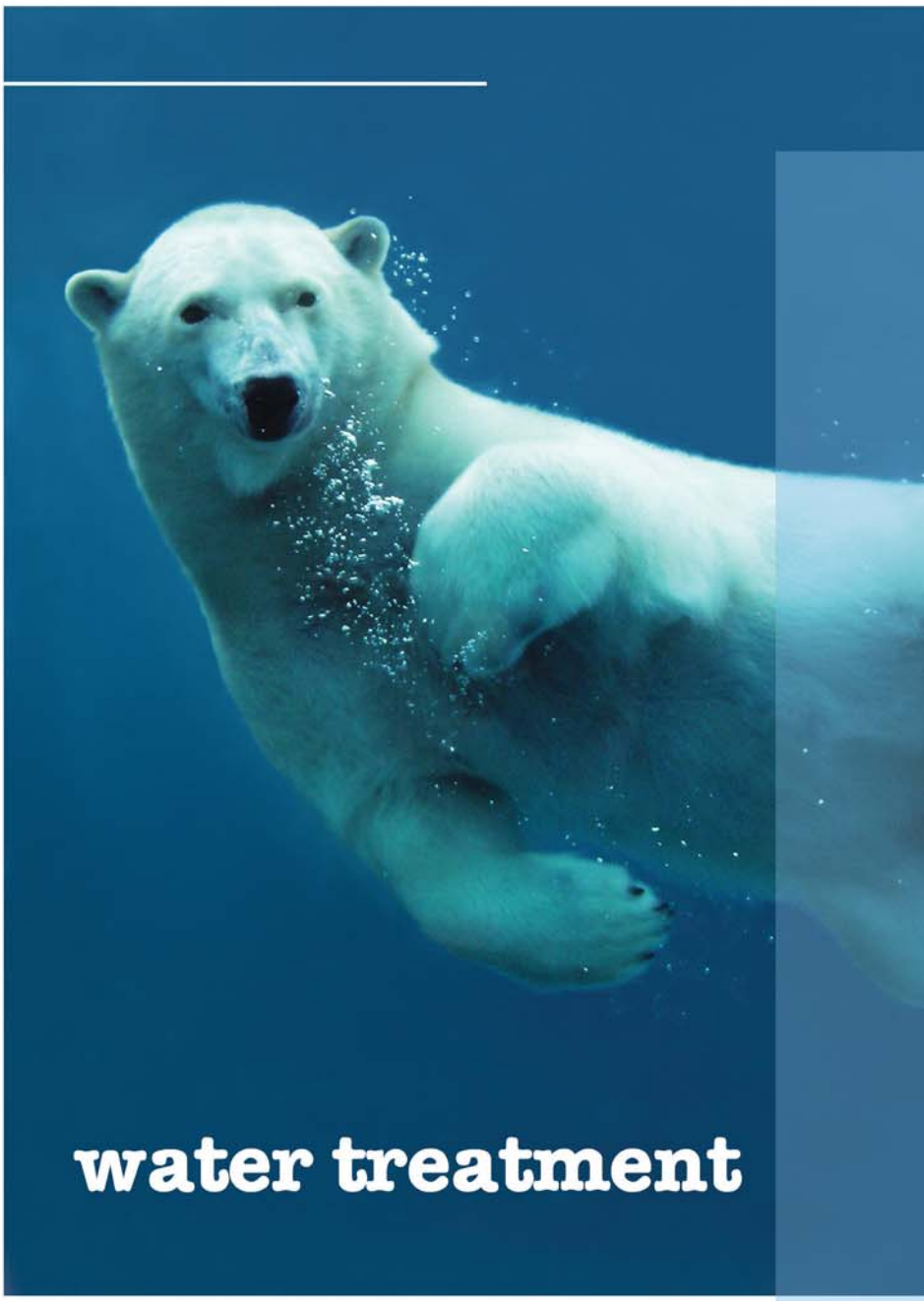
dinax



water treatment

Founded in 1995, our company, Dinax Ltd. offers its decades of experience to its Customers. Our activities are in compliance with the regulations of the **MSZ EN ISO 9001:2001** standard.

Our motto: Services for the satisfaction of the CUSTOMER.
The vast majority of our products are prepared in our own factory. Decades of our chemical engineers' manufacturing experience help us in setting carefully controlled and **OTH-licensed** products on the market.
Our products cover the whole spectrum of water-treatment: besides the chemical treatment procedures of public and private pools as well as whirlpools, we provide solutions for domestic drinking-water purification and for industrial-sized water-treatment problems. For farms and for wastewater treatment we recommend environmentally friendly biological products.

Our equipment used in domestic and industrial water-treatment are provided by valid national technical approvals (ÉME).
Our company is the designated reseller and service centre for **STENNER PUMP Co**.

Contact:

Our shop in Sárga rózsa Street

- retail and wholesale service,
- permanent inventory
- consulting

Address: H-1163 Budapest, Sárga rózsa street 13/b
Phone/fax: +36 1 403 0937, fax: +36 1 402 0877
web: www.dinax.hu, e-mail: dinax@dinax.hu

Kistarcsa: factory

- our products are prepared here

Address: H-2143 Kistarcsa, topographic no.:0260/48
Phone/fax: +36 1 403 0937, fax: +36 1 402 -0877

Kistarcsa: DINAX Water Analysis Laboratory

- Accredited laboratory license: NAT-1-1636/2010
- chemical and microbiological analysis of samples delivered in or taken by accredited sampling method
- internal quality control of chemicals

Address: H-2143 Kistarcsa, topographic no.: 0260/48
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contents

Introduction, contact 2
Product packaging 4
Water testing laboratory 5

SWIMMING-POOL WATER TREATMENT

GENERAL IMPACT AGENTS (disinfection, pH-adjustment, flocculation, algae-removal)

Beaches, pools, swimming-pools - disinfectants 6
Beaches, pools, swimming-pools - pH-adjustment, flocculation, algae-removal 7
Hotels, motels and wellness facilities - disinfectants 8
Hotels, motels and wellness facilities - pH-adjustment, flocculation, algae-removal 9
Residential pools – disinfectants 10
Residential pools – pH-adjustment, flocculation, algae-removal 11
Whirlpools, seasonal garden pools – disinfectants 12
Whirlpools, seasonal garden pools – pH-adjustment, flocculation, algae-removal 13

SPECIAL IMPACT AGENTS

Special impact agents – A-Z solutions on swimming-pool water-treatment problems 14-17

WATER QUALITY TESTING

Manual measurement equipment – test-strips, testers 18-19
Reagent tablets 19
Photometers, digital measurement devices 20-21

SWIMMING-POOL AUTOMATION

Stenner pumps, chemical dosing pumps 22
Combined measurement-dosage equipment (Dinax Genius, Dinax Basic) 23

WATER TREATMENT MEDIA

Filtering media 24
Activated carbons 24-25
Iron-removal media 26
Resins, salt 27

DOMESTIC-AND INDUSTRIAL WATER-TREATMENT

Chemicals for industrial purposes 27
Softeners, desalinators 28
Iron- and manganese removal equipment, activated carbon-filled equipment 29
Filter housings, filter cartridges – mechanical filtration 30
Filter cartridges – multifunctional filters 31

REPRESENTED BRANDS

Hexagone underwater vacuum-cleaner line 32
Clack valves 33
John Guest parts 33
Structural type pressure tanks 34

Product-list 35

packaging sizes

Packaging materials for liquid and gel products

DEPOSIT REFUNDABLE PACKAGING

1000 kgs IBC-container

EUR pallet (wood)

EUR pallet (plastic)

20-25 kgs can

10-12 kgs can

NON-RETURNABLE PACKAGING

5 kgs can

3 kgs can

1 kg bottle

0,5 kg bottle

Packaging materials for solid products

DEPOSIT REFUNDABLE PACKAGING

50 kgs plastic drum

25 kgs plastic drum

NON-RETURNABLE PACKAGING

10 kgs pail

5 kgs pail

1 kg plastic box

0,5 kg plastic box

water testing laboratory

Our accredited water testing laboratory has started its operation in 2010.
The laboratory services enable us to accomplish even the first step of water-treatment: the analysis of water quality and composition. On the basis of the completed water analysis, we provide our partners with a specific water-treatment proposal. Our laboratory activities, similarly to all our other activities are in compliance with the regulations of MSZ EN ISO 9001:2001 standard.

Available testing packages:

BATHING WATER TESTS - according to Decree 37/1996. (X.18.) of the Minister of Welfare
- Standard chemical analysis of bathing water (pH, ammonium, nitrite, nitrate, KOI ps, chloride, alkalinity, hardness)
- Standard bacteriological analysis of bathing water (E.coli, total coccus number)
- Additional bacteriological analyses

DRINKING WATER TESTS - according to Government Decree No. 201/2001. (X. 25.)
- Standard chemical analysis of drinking water (pH, sulphate, conductivity, alkalinity, COD, total hardness, ammonium, calcium, nitrite, magnesium, nitrate, iron, chloride, manganese)
- Standard bacteriological analysis of drinking water (Heterotrophic plate count at 22°C, at 37°C, E.coli, Coliform)

Accredited analysis parameters:

Aluminium	Chloritee	Total dissolved solids
Ammonium	KOI ps	p-and m-alkalinity
Evaporation residuum	Alkalinity and acidity	pH
Specific electric conductivity	Magnesium	Free active chlorine
Fluoride	Manganese	Carbon-dioxide
Phosphate	Nitrate	Silicium-dioxide
Hydrogen-peroxide	Nitrite	Sulphate
Calcium	Dissolved oxygen	Sulphide
Chlorine-dioxide	Total Hardness	Iron
Cloride	Total chlorine	

General impact agents

beaches,
entertainment-
and
healing baths,
swimming-pools

swimming-pool water treatment

Disinfectants

DEWAN®-50 – *liquid*

chlorine-free (active oxygen-based) swimming-pool water disinfectant principally for public pools*

Dosage: by dosing pump. Thanks to its eye- and skin-friendly effects it is a perfect choice for those public baths, wellness hotels and baby swimming providers that are committed to high quality solutions. This product does not modify the composition of thermal waters, as a result it can be applied to disinfect even pools with fill-discharge water system. Should the water contain high levels of ammonia, this product is a viable option. DEWAN®-50 is a wide-spectrum disinfectant effective against Pseudomonas Aeruginosa, Staphilococcus Aureus and Legionella bacteria, so it can be used also for periodic disinfection at the moment when they emerge in the pool.

Available packaging sizes: 10 and 25 kg returnable cans, 1000 kgs IBC-container

DEWAN®-35 – *liquid*

chlorine-free (active oxygen-based) swimming-pool water disinfectant for public pools and residential users*

Product providing the same effect as DEWAN®-50 in lower concentration. Proposed for residential use as well.
Dosage: by dosing pump.

Available packaging sizes: 10 and 25 kg returnable cans, 1000 kgs IBC-container

STABOX® – *liquid*

chlorine-free (active oxygen-based) auxiliary chemical to chlorine-free disinfectants*

Its dosage is recommended into the pre-filtration stream of largely loaded public pools - application only together with liquid DEWAN® products!

Available packaging sizes: 25 kgs returnable can, 1000 kgs IBC-container

DINAX® KLORIN F – *liquid*

swimming-pool disinfectant*

Disinfectant with 150 grs/l active sodium-hypochlorite content which is decomposing more slowly due to the manufacturing process and crystallizing less compared to other generally used similar products. Specially designed for use in swimming-pools, dosage by dosing pump. As a result of the crystallization-preventing treatment, less failure of the chemical feeding automats and less clogging in the pipes can be experienced.

Available packaging sizes: 25 kgs returnable can, 1000 kgs IBC-container

DINAX® KLORIN F with DINADOX ADDITIVE – *liquid*

swimming-pool disinfectant with chlorine-free auxiliary additive*

An improved version of DINAX® KLORIN F. Due to the additive no chlorine smell can be felt in the swimming-pool even at higher chlorine levels. The DINADOX additive expands the spectrum of disinfection.

Available packaging sizes: 25 kgs returnable can, 1000 kgs IBC-container

DINAX® HYPOX F – *liquid*

chlorine containing swimming-pool disinfectant*

Liquid disinfectant with 90 grs/l active sodium-hypochlorite content for dosage by dosing pump.

Available packaging sizes: 25 kgs returnable can, 1000 kgs IBC-container

DINADOX® A+B – *liquid and granule – two components!*

chlorine-free (active oxygen-based) auxiliary chemical to chlorine-containing disinfectants

Auxiliary disinfectant with excellent algae-killing and biofilm remover impact. By dosing this, the chlorine demand reduces and a free active chlorine content of 0.25-0.3 mg/l can be maintained in the swimming-pool water. Its use can reduce chlorine irritation and the so-called swimming-pool smell significantly.

Available packaging sizes: 20 kg returnable can

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

pH-adjustment agents

DINAX® MÍNUSZ F – *liquid*

liquid reducing the pH-value of swimming-pool water

Recommended mainly for public pools and residential pools equipped with dosing pump. 35-37% sulphuric acid containing chemical, excellent choice for dosing by feeding pump. (TIP: Agents with higher concentrations than this may damage the dosing pumps!) **Available packaging sizes: 25 kgs returnable can, 1000 kgs IBC-container**

DINAX® HIDROMÍNUSZ F – *liquid*

liquid reducing the pH-value of swimming-pool water

Serves for reducing the pH-level of public swimming-pools. Dosage: only by combined dosing-measurement device.

Available packaging sizes: 20 kgs returnable can, 1000 kgs IBC-container

DINAX® PLUSZ F – *liquid*

liquid raising the pH-value of swimming-pool water

Liquid agent for raising the pH-level of residential and public swimming-pool water. Easily controllable dosing by pump, its impact can be measured simply. • **Available packaging sizes: 25 kg returnable can**

Flocculants

DINAX® FLOCK F – *liquid*

swimming-pool flocculant liquid for use in public swimming-pools

This product helps maintaining a transparent, crystal-clear water in the pool more easily. Its use is highly recommended either in case of experiencing opalesque water in the pool, or it can be added to the water continuously with preventative purpose in case of swimming-pools with heavy bather load. • **Available packaging sizes: 25 kg returnable can**

DINAX® FLOCK P – *granule*

swimming-pool flocculant granules

The product can be used together with any type of disinfectants to promote a faster clarification of the swimming-pool water. • **Available packaging sizes: 0,5 kg box, 5 kg pail**

Algae-removal

ALGI-CID – *liquid*

algae-growth inhibitor, algae remover*

Especially wide-spectrum, effective algae-growth preventor product. Using it weekly or every other week will prevent algae-growth in problematic pools. Effective at all pH-levels. The use of this product will not induce foaming even if added to water in high concentration. The product can be used with chlorine-free chemicals as well.

Available packaging sizes: 1 kg bottle, 3 and 5 kg can, 20 kg returnable can

CHLORALGIN – *liquid*

algae-growth inhibitor, algae remover*

Wide-spectrum algae-growth preventor product. Using it weekly or every other week will prevent algae-growth in problematic pools. • **Available packaging sizes: 1 kg bottle, 3 and 5 kg can, 20 kg returnable can**

ALGA-SOKK® P – *granule*

swimming-pool disinfectant chlorine granules*

By scattering the product to the place where algae growth is experienced, it removes algae even from tile joints very effectively. The product can be used to induce an immediate raise in the free active chlorine concentration of swimming-pool water (e.g.: overnight chlorine shock).

Available packaging sizes: 0.5 kg bottle, 5 and 10 kg pail, 25 and 50 kg returnable drum

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

hotels,
motels,
wellness
centres

General impact agents

swimming-pool water treatment

Disinfectants

DEWAN®-35 – *liquid*

chlorine-free (active oxygen-based) swimming-pool water disinfectant for public pools and residential users*

Product with the same effect as DEWAN®-50 in lower concentration. Proposed also for residential use. Dosage: by dosing pump. Because of its eye-and skin-friendly properties we recommend this product to baths, wellness centres and baby swimming providers seeking after high quality solutions. It does not modify the composition of thermal waters, thus it can be applied to disinfect even pools with fill-discharge water system. Should the water contain high levels of ammonia, this product is a viable option. It is a wide-spectrum disinfectant effective against Pseudomonas Aeruginosa, Staphilococcus Aureus and Legionella bacteria, so it can be used also for periodic disinfection at the moment when they emerge in the pool. • **Available packaging sizes: 10 and 25 kg returnable cans, 1000 kgs IBC-container**

DEWAN®-18 – *liquid*

chlorine-free (active oxygen-based) swimming-pool water disinfectant for residential users*

A simplier-to-feed version of DEWAN®-50 developed for use in small home-pools, hot tubs and jacuzzis. The product is applicable for all swimming-pools equipped with water circulation and filtration system. Dosage: by peristaltic chemical feeding pump. Functions also as a surface-cleaner. Wide-spectrum disinfectant.

Available packaging sizes: 10 and 25 kg returnable cans, 1000 kgs IBC-container

DINAX® KLORIN F – *liquid*

swimming-pool disinfectant*

Disinfectant with 150 grs/l active sodium-hypochlorite content which is decomposing more slowly due to the manufacturing process and crystallizing less compared to generally used similar products. Specially for use in swimming-pools, dosage by dosing pump. Owing to the crystallization-preventing treatment, less failure of the chemical feeding automats and less clogging in the pipes is experienced. • **Available packaging sizes: 25 kgs returnable can, 1000 kgs IBC-container**

DINAX® KLORIN F with DINADOX ADDITIVE – *liquid*

swimming-pool disinfectant with chlorine-free auxiliary additive*

An improved version of DINAX® KLORIN F. Due to the additive no chlorine smell can be felt in the swimming-pool even at higher chlorine levels. The DINADOX additive expands the spectrum of disinfection.

Available packaging sizes: 25 kgs returnable can, 1000 kgs IBC-container

DINADOX® A+B – *liquid and granule – two components!*

chlorine-free (active oxygen-based) auxiliary chemical to chlorine-containing disinfectants

Auxiliary disinfectant with excellent algae-killing and biofilm remover impact. By dosing this, the chlorine demand reduces and a free active chlorine content of 0.25-0.3 mg/l can be maintained in the swimming-pool water. Its use reduces chlorine irritation and the so-called swimming-pool smell significantly. • **Available packaging sizes: 20 kg returnable can**

BLUE SUPER TABS T – *200 g tablet*

200 gr chlorine containing combined swimming-pool water disinfectant tablet, 3 in 1*

Disinfectant, algae inhibitor and flocculant tablet with a little pH-value reduction impact. Thanks to its simple method of application this product is recommended to disinfect up to 40-50 m^3 swimming-pool sizes by placing the product into the skimmer or into a floating tablet dispenser. • **Available packaging sizes: 1 kg bottle, 5 and 10 kg pail, 25 and 50 kg returnable drum**

STABIL KLÓR T – *200 g tablet*

chlorine containing swimming-pool water disinfectant tablet*

Dissolves slowly and steadily, contains free active chlorine. Dosage: by floating tablet dispenser up to 40 m^3 pool-sizes. • **Available packaging sizes: 1 kg box, 5 and 10 kg pail**

ALGA-SOKK® P – *granule*

swimming-pool disinfectant chlorine granules*

This granular product,-will build up the start-up disinfectant concentration easily at filling up. The reached concentration can be maintained by tableted products. • **Available packaging sizes: 0.5 kg box, 5 and 10 kg pail, 25 and 50 kg returnable drum**

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

pH-adjustment agents

DINAX® MÍNUSZ F – *liquid*

liquid reducing the pH-value of swimming-pool water

Recommended mainly for public pools and residential pools equipped with dosing pump. 35-37% sulphuric acid containing chemical, excellent choice for dosing by feeding pump. (TIP: Agents with higher concentrations than this may damage the dosing pumps!) **Available packaging sizes: 25 kgs returnable can, 1000 kgs IBC-container**

DINAX® MÍNUSZ P – *granule*

granules reducing the pH-value of swimming-pool water

Primarily recommended for pH-reduction in residential swimming-pools. This granular product dissolves very easily, its use is simple, it can be directly distributed into the pool water, its dosage can be easily calculated.

Available packaging sizes: 1 kg box, 5 and 10 kg pail, 25 kg bag

DINAX® PLUSZ F – *liquid*

liquid raising the pH-value of swimming-pool water

Liquid agent for raising the pH-level of residential and public swimming-pool water. Easily controllable dosing by pump, its impact can be measured simply.

Available packaging sizes: 25 kg returnable can

Flocculants

DINAX® FLOCK F – *liquid*

swimming-pool flocculant liquid for use in public swimming-pools

This product helps maintaining a transparent, crystal-clear water in the pool more easily. Its use is highly recommended either in case of experiencing opalesque water in the pool, or it can be added to the water continuously with preventative purpose in case of swimming-pools with heavy bather load. **Available packaging sizes: 25 kg returnable can**

Algae-removal

ALGI-CID – *liquid*

algae-growth inhibitor, algae remover*

Especially wide-spectrum, effective algae-growth preventor product. Using it weekly or every other week will prevent algae-growth in problematic pools. Effective at all pH-levels. The use of this product will not induce foaming even if added to water in high concentration. The product can be used with chlorine-free chemicals as well.

Available packaging sizes: 1 kg bottle, 3 and 5 kg can, 20 kg returnable can

CHLORALGIN – *liquid*

algae-growth inhibitor*

Wide-spectrum algae-growth preventor product. Using it weekly or every other week will prevent algae-growth in problematic pools.

Available packaging sizes: 1 kg bottle, 3 and 5 kg can, 20 kg returnable can

ALGA-SOKK® P – *granule*

swimming-pool disinfectant chlorine granules*

By scattering the product to the bottom of the pool it removes algae even from tile joints very effectively. In case of the proliferation of algae, the product can be used to induce an immediate raise in the free active chlorine concentration of swimming-pool water (e.g.: overnight chlorine shock).

Available packaging sizes: 0.5 kg bottle, 5 and 10 kg pail, 25 and 50 kg returnable drum

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

General impact agents

Disinfectants

DEWAN®-35 – *liquid*

chlorine-free (active oxygen-based) swimming-pool water disinfectant for public pools and residential users*

Premium chlorine-free disinfectant for selective customers. Highly recommended for larger private pools and due to its eye- and skin-friendliness it is a perfect choice for families with small children or for persons with chlorine allergy. Wide spectrum disinfectant to be dosed by a dosing pump. • **Available packaging sizes: 10 and 25 kg returnable cans**

DEWAN®-18 – *liquid*

chlorine-free (active oxygen-based) swimming-pool water disinfectant for residential users*

A simplier-to-feed version of DEWAN®-35 developed for use in small home-pools, hot tubs and jacuzzis. The product is applicable for all swimming-pools that are equipped with water circulation and filtration system. Dosage: by peristaltic dosing pump. The product is applicable as a surface-cleaner as well. Wide-spectrum disinfectant, with all the benefits of DEWAN®-35. • **Available packaging sizes: 10 and 25 kg returnable cans**

DEWAN®-20 T – *200 g tablet*

chlorine-free (active oxygen-based) swimming-pool disinfectant tablet*

Primarily recommended for private pools (up to 50 m^3 pool sizes) where customers would like to avoid using chlorine. The product is also available in granular format for reaching the start-up disinfectant concentration (DEWAN®-20 P). To be used with ALGI-CID Algae-remover. • **Available packaging sizes: 1 kg box, 5 kg pail**

DINAX® KLORIN F – *liquid*

swimming-pool disinfectant*

Disinfectant with 150 grs/l active sodium-hypochlorite content which is decomposing more slowly due to the manufacturing process and crystallizing less compared to other generally used similar products. As a result of the crystallization-preventing treatment, less failure of the chemical feeding automats and less clogging in the pipes can be experienced. Dosage by dosing pump. • **Available packaging sizes: 25 kg returnable can**

DINAX® KLORIN F with DINADOX ADDITIVE – *liquid*

swimming-pool disinfectant with chlorine-free auxiliary additive*

An improved version of DINAX® KLORIN F. Due to the additive no chlorine smell can be felt in the swimming-pool even at higher chlorine levels. The DINADOX additive expands the spectrum of disinfection.

Available packaging sizes: 25 kg returnable can, 1000 Kgs IBC-container

BLUE SUPER TABS T – *200 g tablet*

200 gr chlorine containing combined swimming-pool water disinfectant tablet, 3 in 1*

Disinfectant, algae inhibitor and flocculant tablet with a little pH-value reduction impact. Thanks to its simple method of application this product is recommended to disinfect up to 40-50 m^3 swimming-pool sizes by placing the product into the skimmer or into a floating tablet dispenser.

Available packaging sizes: 1 kg box, 5 and 10 kg pail

STABIL KLÓR T – *200 g tablet*

chlorine containing swimming-pool water disinfectant tablet*

Dissolves slowly and steadily, contains free active chlorine. Primarily for residential users; dosing by floating tablet dispenser; up to 40 m^3 pool size. Ideal disinfectant for swimming pools that remained untreated for a certain period (e.g.: during vacation)

Available packaging sizes: 1 kg box, 5 and 10 kg pail

*Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

pH-adjustment agents

DINAX® MÍNUSZ F – *liquid*

liquid reducing the pH-value of swimming-pool water

Recommended for private pools with dosing pump. The product contains 35-37% sulphuric acid which is excellent for dosage by feeding pump. (TIP: Agents with higher concentrations than this may damage the dosing pumps!)

Available packaging sizes: 25 kg returnable can

DINAX® MÍNUSZ P – *granule*

granules reducing the pH-value of swimming-pool water

Primarily recommended for pH-reduction in residential swimming-pools. This granular product dissolves very easily, its use is simple, it can be directly distributed into the pool water, its dosage can be easily calculated.

Available packaging sizes: 1 kg box, 5 and 10 kg pail, 25 kg bag

DINAX® PLUSZ P – *granule*

granules raising the pH-value of swimming-pool water

Recommended for raising the pH-level of residential and public swimming-pool water. Easily dissolving granules.

Available packaging sizes: 0,5 and 1 kg box, 5 kg pail

Flocculants

DINAX® FLOCK F 100 ML – *liquid*

swimming-pool flocculant liquid for use in residential swimming-pools

Dosage-facilitating packaging – to dilute before use! The product flocculates all suspended solids that are not filtered out by the filters of the circulation system. The product must be added to the water occasionally, in case of experiencing opalescent water. **Available packaging sizes: 1 l bottle (100 ml), other size available: 25 kg returnable can**

Algae-removal

ALGI-CID – *liquid*

algae-growth inhibitor, algae remover*

Especially wide-spectrum, effective algae-growth preventor product. Using it weekly or every other week will prevent algae-growth in problematic pools. Effective at all pH-levels. The use of this product will not induce foaming even if added to water in high concentration. The product can be used with chlorine-free chemicals as well. .

Available packaging sizes: 1 kg bottle, 3 and 5 kg can, 20 kg returnable can

CHLORALGIN – *liquid*

algae-growth inhibitor*

Wide-spectrum algae-growth preventor product. Using it weekly or every other week will prevent algae-growth in problematic pools.

Available packaging sizes: 0.5 kg box, 5 and 10 kg pail

ALGA-SOKK® P – *granule*

swimming-pool disinfectant chlorine granules*

By scattering the product to the bottom of the pool it removes algae even from tile joints very effectively. The product can be used to induce an immediate raise in the free active chlorine concentration of swimming-pool water (e.g.: overnight chlorine shock).

Available packaging sizes: 0.5 kg box, 5 and 10 kg pail

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

hot tubs, seasonal garden pools

General impact agents

swimming-pool water treatment

Disinfectants

DEWAN®-18 – *liquid*

chlorine-free (active oxygen-based) swimming-pool water disinfectant for residential users*

A simplier-to-feed version of DEWAN®-50 developed for use in small home-pools, hot tubs and jacuzzis. The product is applicable for all swimming-pools that are equipped with water circulation and filtration system. Dosage: by peristaltic chemical feeding pump. The product is applicable as a surface-cleaner as well. Wide-spectrum disinfectant. • **Available packaging sizes: 10 and 25 kg returnable cans**

DEWAN®-7 – *liquid*

chlorine-free (active oxygen-based) swimming-pool disinfectant for small pool sizes*

A version of DEWAN®-50 product range developed for hot tubs. Use of the product is recommended primarily for small-size pools and whirlpools. Wide-spectrum disinfectant.

Available packaging sizes: 10 kg returnable can

DEWAN®-20 WP – *20 g tablet*

chlorine-free (active oxygen-based) whirlpool disinfectant tablet*

Recommended for the disinfection of whirlpools and jacuzzi, for all users who would like to avoid the use of chlorine. To be used with ALGI-CID Algae-remover.

Available packaging sizes: 1 kg box, 5 kg pail

DINAX® AQUABRÓM WP – *20 g tablet*

Slowly dissolving bromine tablet for the disinfection of whirlpools*

A neutral disinfectant with 92% bromine content providing a correct, lasting bromine content in the swimming-pool water. Its use is recommended for indoor swimming-pools and massage tubs.

Available packaging sizes: 1 kg box, 5 kg pail

ALGA-SOKK® WP 2 g-os – *2 g tablet*

chlorine containing water disinfectant tablet*

Use primarily in footbaths, cisterns and inflatable children pools (use it only in floating tablet dispenser!)

Available packaging sizes: 1 kg box (500 pcs./box)

ALGA-SOKK® P – *granule*

swimming-pool disinfectant chlorine granules*

By using this granular product, the start-up disinfectant concentration can be reached easily at filling up the pool. To maintain the reached concentration the use of tableted products is recommended.

Available packaging sizes: 0.5 kg box, 5 and 10 kg pail

BLUE SUPER TABS WP – *20 g tablet*

20 gr chlorine containing combined whirlpool disinfectant tablet, 3 in 1*

Due to its simple method of application, this product is recommended to disinfect whirlpools, jacuzzi and seasonal type smaller pools up to cca. 10 m^3 pool size. Disinfectant, algae inhibitor and flocculant tablet with a little pH-value reduction impact. The tablet should be placed into the skimmer or into a floating tablet dispenser.

Available packaging sizes: 1 kg box, 5 kg pail

*Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

pH-adjustment agents

DINAX® MÍNUSZ P – *granule*

granules reducing the pH-value of swimming-pool water

For pH-reduction in residential pools. Dissolves very easily, its use is simple, it can be directly distributed into the pool water, its dosage can be easily calculated. • **Available packaging sizes: 1 kg box, 5 and 10 kg pail, 25 kg**

DINAX® PLUSZ P – *granule*

granules reducing the pH-value of swimming-pool water

Recommended for raising the pH-level of residential and public swimming-pool water. Easily dissolving granules.

Available packaging sizes: 0,5 and 1 kg box, 5 kg pail, 25 kg bag

Flocculants

DINAX® FLOCK F 100 ML – *liquid*

swimming-pool flocculant liquid for use in residential swimming-pools

Dosage-facilitating packaging – to dilute before use! The product flocculates all suspended solids that are not filtered out by the filters of the circulation system. The product must be added to the water occasionally, in case of experiencing opalescent water, after dilution. • **Available packaging sizes: 1 l bottle (100 ml)**

Algae-removal

ALGI-CID – *liquid*

algae-growth inhibitor, algae remover*

Especially wide-spectrum, effective algae-growth preventor product. Its regular use will prevent algae-growth. Effective at all pH levels, it does not induce foaming, even if added to the pool in high concentration. The product can be used with chlorine-free chemicals as well. • **Available packaging sizes: 1 kg bottle, 3 and 5 kg can, 20 kg returnable can**

CHLORALGIN – *liquid*

algae-growth inhibitor*

Wide-spectrum algae-growth preventor product. Using it weekly or every other week will prevent algae-growth in problematic pools. • **Available packaging sizes: 1 kg bottle, 3 and 5 kg can, 20 kg returnable can**

ALGA-SOKK® P – *granule*

swimming-pool disinfectant chlorine granules*

By scattering the product to the bottom of the pool it removes algae very effectively. In case of algae proliferation, the product can be used to induce an immediate raise in the free active chlorine concentration of swimming-pool water (e.g.: overnight chlorine shock), this also cleans the pipe system of hot tubs effectively.

Available packaging sizes: 0.5 kg box, 5 and 10 kg pail, 25 and 50 kg returnable drum

Special agents for whirlpools

DINAX® HABSTOP F – *liquid*

swimming-pool anti-foaming liquid

Reduces effectively the foaming induced by the use of body lotions of bathers. Primarily recommended for whirlpools.

Available packaging sizes: 1 kg bottle, 20 kg returnable can

ADISAN SPA – *granule*

cleanser and disinfectant for whirlpools

Product developed for the disinfection and overall cleaning of whirlpools. Especially suitable for cleaning the hard-to-reach zones: pipe systems, water diffusers and drainage systems as well as the walls of swimming-pools. This granule is effective even in places where mechanical cleaning would be complicated. Removes soap-, oil and grease deposits, and slimy pollution. • **Available packaging sizes: 1 kg box**

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

Special impact agents

solution finder for swimming-pool water treatment issues from A to Z

Elimination of algae growth by phosphate abstraction

DINAX® FOSZFÁT MÍNUSZ P – *granule*

phosphate reducer granule for swimming-pools

Recommended to reduce the accumulated phosphate level of swimming-pool waters, ponds and aquariums. Tenacious, returning algae growth is often caused by high phosphate levels in the water. In most of the cases, algae problems disappear due to a reduction of the phosphate concentration.

• **Available packaging sizes: 0,1 kg and 0.5 kg box, 5 kg pail**

AQUA EAZI GÉLKOCKA – *gel-like solid cube*

multifunctional phosphate-remover and flocculant gel cube

By the use of this product, less vacuum-cleaning of the pool will be required. Reduces the phosphate-level (which is a natural food needed for algae growth) in the pool, its application may reduce the quantity of chemicals needed, it may decrease chlorine-consumption in the pool and the product prevents the appearance of pink slime. Recommended for use in residential pools. • **Available packaging sizes: each cube is packed separately**

Surface disinfection (wood, tile, glass, plastic)

DEWAN®-7 – *liquid*

chlorine-free (active oxygen based) swimming-pool and surface disinfectant*

Suitable for the disinfection of surfaces that can be reached by a sponge, it can be applied either undiluted or in 1:1, 1:2 dilution. In case of wooden surfaces, determine the concentration by applying the product onto a small area first, avoiding the potential brownish discoloration of the surface. • **Available packaging sizes: 10 kg returnable can**

Reduction of disinfectant level

NULLA-KLÓR P – *granule*

Recommended to reduce the disinfectant level in the swimming-pool water

Acidic white powder, suitable for the reduction of free active chlorine or active oxygen (DEWAN®) content of the water; furthermore it is excellent for removing the dissolved oxygen content of boiler water.

Available packaging sizes: 1 kg box, 5 and 10 kg pail

Anti-foaming

DINAX® HABSTOP F (FOAM STOP) – *liquid*

swimming-pool anti-foaming liquid

Reduces effectively the foaming induced by the use of body lotions of bathers. Primarily recommended for whirlpools.

Available packaging sizes: 1 kg bottle, 20 kg returnable can

Roll-top cleanser

DINAX® COVER CLEANER F – *liquid*

surface cleaner for swimming-pools to remove scale and metallic deposits

This product is recommeded to remove calcium deposits from swimming-pool covers, roll-tops, blinds, coverings and tiles. Recommended frequency: as needed, at least two times a year. • **Available packaging sizes: 1 kg bottle**

Cleaning of filters (paper filters, sand filters)

DINAX® FILTER CLEANER F – *liquid*

filter cleaner liquid*

For cleaning sand filters and filter cartridges. Applicable for paper or pleated cartridges as well.

Available packaging sizes: 1 kg bottle

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

Solarium disinfection

SOLARMED RAPID – *liquid*

aldehyd-free surface disinfection for solariums*

Ideal for disinfection of lying surfaces and other objects, as well as other solid surfaces in solariums. Wide-spectrum bactericide (also effective against MRSA), fungicide and virucide. The product can dry on the treated surface, it does not cause irritation. This product provides fast surface disinfection, it can be used as a one-stage disinfective cleaner. • **Available packaging sizes: 1 Kg bottle**

DEWAN®-7 – *liquid*

chlorine-free (active oxygen-based) swimming-pool disinfectant for small pool sizes*

The product must be diluted in 1:1, 1:2 ratio. The product should be distributed on the surface with the help of a sponge, then wiped dry. Wide-spectrum, extremely fast germicide. • **Available packaging sizes: 10 kg returnable can**

Winterization

DINAX® TÉLIESÍTŐ (WINTERIZER) – *liquid*

water conditioner liquid for the winter season*

Winter preservative for seasonal swimming-pools. Prevents algae growth by its very strong algae-preventor impact. Before applying this product, the use of ALGA-SOKK® P is recommended. **Available packaging sizes: 1 kg bottle, 5 kg can, 20 kg returnable can**

Pond-water treatment

STABOX® KERTI TAVAK – *liquid*

against filamentous algae in garden-, artificial- and natural ponds*

This product is suitable for killing filamentous algae species appearing in the water. In the prescribed dilution ratio it is not harmful for the living organisms of the water (fish, plants etc.) • **Available packaging sizes: 80 ml in 1 kg bottle**

TISZTA TÓ (CLEAR POND) – *granule*

algae-remover granules to treat garden-, artificial- and natural ponds

A synergistic blend of natural microbes, flocculation aids and zeolite. Its use helps maintaining the purity and transparency of larger water bodies. Not suitable for removing surface slime or to control plants and weed. To be dosed with preventative purpose. Works well together with STABOX® KERTI TAVAK product. • **Available packaging sizes: 1 kg box, 5 and 10 kg pail**

DEWAN®-7 – *liquid*

chlorine-free (active oxygen-based) algae-remover for garden ponds*

Small quantity correctly diluted product is recommended to remove algae from garden ponds. Its continuous application throughout the season results in algae-free water without doing harm to fish or plants. • **Available packaging sizes: 10 kg returnable can**

Prevention and removal of metal stain

DINAX® METAL MAGIC F – *liquid*

liquid to prevent or remove metal stains and scale in swimming-pools

Prevents scale depositing in swimming-pool water. Protects the swimming-pool and its pipe-system from scaling, by its use you can avoid the discoloration caused by metals (e.g.) being in the water. Moderately suitable for removing metal- and scale deposits from swimming-pool walls and bottom. (TIP: most effective if added to water in the fill-up stage.) • **Available packaging sizes: 1 kg bottle, 10 kg returnable can**

DEWAN®-50 – *liquid*

liquid product family*

The iron content of water reacts with air and chlorine forming a crystalline precipitate. Such discoloration (yellow, green or light brown) can be eliminated by adding any member of the DEWAN® product family to the water.

Members of this product group: DEWAN®-50, DEWAN®-35, DEWAN®-18, DEWAN®-7

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

Special impact agents

solution finder for swimming-pool water treatment issues from A to Z

Setting the water balance

DINAX® ALKÁLI PLUSZ P – *granule*

granules raising the total alkalinity of swimming-pool water

Product for raising the pH-buffer capacity of low alkalinity swimming-pool waters, for setting the water balance.

Available packaging sizes: 1 kg box

DINAX® KALCIUM PLUSZ P – *granule*

granules raising the hardness of swimming-pool water

A product to raise the hardness of waters proven to be agressive (LSI <-0.3) by water balance test. Applicable in residential and public swimming-pools. • **Available packaging sizes: 1 kg box, 5 kg pail**

Anti-scaling, stain removal

DINAX® METAL MAGIC F – *liquid*

liquid to prevent or remove metal stains and scale in swimming-pools

Prevents scale depositing in swimming-pool water. Protects the swimming-pool and its pipe-system from scaling, by its use you can avoid the discoloration caused by metals (e.g.) being in the water. Moderately suitable for removing metal- and scale deposits from swimming-pool walls and bottom. (TIP: most effective if added to water in the fill-up stage.) • **Available packaging sizes: 1 kg bottle, 10 kg returnable can**

DE-VÍZKŐ F (ANTISCALE F) – *liquid*

solid deposit dissolving and sand-filter cleaning liquid

This product is proposed for the treatment of sand-filters, piping systems and heat-exchangers. A product for general cleaning purposes, dissolved in 1:1-1:20 of water, this cleaner product eliminates solid deposits from surfaces. It mainly dissolves scale deposits, although it is suitable for removing iron deposits as well. Its use is recommended in out-of-order hours of equipment. • **Available packaging sizes: 1 kg bottle, 10 kg returnable can**

DE-VÍZKŐ G (ANTISCALE G) – *gel*

descaler gel for swimming-pool cleaning

The gel-like characteristics of this scale remover make the product suitable for use on either vertical or horizontal surfaces. Appropriate for surface scale-removal of acril tubs, liner-, tile and mosaic-coated swimming-pool walls. The application of this surface cleaner is only allowed in out-of-order hours.

Available packaging sizes: 1 kg bottle, 10 kg returnable can

DE-VÍZKŐ P (ANTISCALE P) – *granule*

solid deposit dissolving granules for swimming-pool cleaning

A product for general application. After its dissolution in water, this agent removes solid deposits – primarily scaling – from surfaces. Appropriate for cleaning of sand-filters, swimming-pools, piping systems, heat-exchangers and salt chlorinator cells. Its use is recommended in out-of-order hours of equipment.

Available packaging sizes: 0.5 kg box, 5 and 10 kg pail

INTERACID – *liquid*

tile and faience cleaner

This product is used for cleaning of and scale-removal from tiles, faiences and ceramic coverages.

Available packaging sizes: 5 kg can

Shower cabin cleaning

DINAX® CLEANER F – *liquid*

surface scale-remover, degreaser

Primarily recommended for shower-cabin cleaning, although it can be used to clean swimming-pool and whirlpool surfaces as well. Effective in removing scale and greasy deposits. • **Available packaging sizes: 0.5 l bottle (0.5 kg)**

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

DINAX® WATER REPELLENT F – *liquid*

water-repellent, surface-activating liquid for shower-cabins

This product is perfectly suitable for treating glossy surfaces being in contact with water. After treatment of the surface (shower-cabin, tiles, windows, car-windscreens) with this product, it obtains water-repellent characteristics and it will permanently preserve its brightness. The use of this product is equally recommended for glass and plastic surfaces. • **Available packaging sizes: 0.5 l bottle (0.4 kg)**

DINAX® DESINFECTANT F – *liquid*

surface disinfectant for shower-cabins*

Kills microorganisms being on the surface, so it can be used as a general surface disinfectant in eg.: shower-cabins, solariums etc. • **Available packaging sizes: 0.5 l bottle (0.5 kg)**

Grease-line elimination

DINAX® SZEGÉLYTISZTÍTÓ F (BORDER CLEANER) – *gel*

surface cleaner for swimming-pools to remove greasy deposits

The application of this product promotes the cleaning of swimming-pool walls above the so called 'grease-line'. Its gel format makes it especially suitable for treatment of vertical surfaces. The product can get into the pool-water without causing any problems. • **Available packaging sizes: 1 kg bottle, 5 kg can, 10 and 20 kg returnable can**

Anti-greasing

BIOPOOL G – *liquid*

100% biologically degradable enzymatic swimming-pool water-cleaner gel for the elimination of 'grease-line', slime and biofilm

The product prevents the formation of grease-line at the pool edges and it degrades greasy as well as oily impurities. Its impact builds up after 1 month of use. By its use, the foaming of swimming-pools and hot-tubs reduces, the filtering performance increases and the bacterial status improves. Dosage: weekly, by means of a measuring container. Its use is highly recommended for popular swimming-pools with many bathers (eg.: hot tubs, entertainment pools, education pools). • **Available packaging sizes: 1 kg bottle, 5 kg can, 10 kg returnable can**

ADISAN SPA – *granule*

cleanser and disinfectant for whirlpools

Product developed for the disinfection and overall cleaning of whirlpools. Especially suitable for cleaning the hard-to-reach zones: pipe systems, water diffusers and drainage systems as well as the walls of swimming-pools. Removes soap-, oil and grease deposits, and slimy pollution. • **Available packaging sizes: 1 Kg box**

Fragrances for saunas, steam-rooms and whirlpools

excellent quality essential oils and steam fragrances

STEAM-ROOM AROMA:

Peppermint ▪ Cedar ▪ Lemon ▪ Lemon-orange ▪ Citronella ▪ Eukalyptus-menthol ▪ Eukalyptus ▪ Pine ▪ Grapefruit Ginger ▪ Aspic ▪ Mandarin ▪ Menta ▪ Orange ▪ Rosemary ▪ Vanilia • **Dosage: 2 to 3 ml per 2 to 5 minutes**

SAUNA-OIL FRAGRANCES

Peppermint ▪ Cedar ▪ Lemon ▪ Citronella-oil ▪ Eukalyptus ▪ Fennel ▪ Cinnamon ▪ Pine ▪ Grapefruit ▪ Ginger Thyme ▪ Aspic ▪ Mandarin ▪ Menta ▪ Orange ▪ Rosemary ▪ Clove leaf ▪ Tea tree • **Dosage: 2-5 drops**

WHIRLPOOL FRAGRANCES

Juniper ▪ Peppermint ▪ Lemon ▪ Citronella ▪ Eukalyptus ▪ Pine ▪ Grapefruit ▪ Aspic ▪ Mandarin ▪ Orange Rose ▪ Jasmin ▪ Tea tree • **Dosage: 4-8 drops in one tub of water.**

* Apply the chemical in a safe way! Please read the label and the user's manual of the product before use!

Water quality testing

manual measuring devices: measuring strips, testers

Manual measuring devices - *test-strips*

DEWAN®-50 TEST-STRIPS – *(50 pcs./box)*
Measured parameters: DEWAN®-50 (1-200 mg/l), Hydrogen-peroxide (0,5-100 mg/l)

DEWAN®-20 TEST-STRIPS – *(50 pcs./box)*
Measured parameters: DEWAN®-20 (0,5-20 mg/l), pH-value (6,8-8,4), Total alkalinity (0-240 mg/l)

CHLORINE/BROMINE/PH TEST STRIPS – *(50 pcs./box)*
Measured parameters: Free active chlorine (0-5 mg/l), Free active bromine (0-11 mg/l), pH (6,8-8,4), Total alkalinity (0-240 mg/l)

CHLORINE-DIOXIDE TEST-STRIPS – *(50 pcs./box)*
Measured parameters: Chlorine-dioxide (0,1-1,6 mg/l or 0,05-0,5 mg/l)

pH TEST-STRIPS – *(50 pcs./box, 1 piece)*
Measured parameters: pH (2-12), single test-strip is also available for purchase

IRON TEST-STRIPS – *(50 pcs./box)*
Measured parameters: Fe^{2+}/Fe^{3+} (0,02-5,0 mg/l)

PHOSPHATE TEST-STRIPS – *(30 or 50 pcs./box)*
Measured parameters: PO_4^{3-} (0-2500 μg/l)

NITRIT-NITRATE TEST-STRIPS – *(50 pcs./box)*
Measured parameters: nitrit-nitrate (0-10 mg/l)

DISSOLVED SALT TEST-STRIPS – *(20 pcs./box)*
Measured parameters: salt content (0-7000 mg/l)

Manual measuring devices - *test kits*

DEWAN®-50 TEST KIT – *with tablets*
Measured parameters: DEWAN®-50 and pH
The box contains tablets for 20 measurement, tablets can be purchased separately as needed.

DEWAN®-20 TEST KIT – *with tablets*
Measured parameters: DEWAN®-20 and pH
The box contains tablets for 20 measurement, tablets can be purchased separately as needed.

CHLORINE/BROMINE/pH MINI TEST KIT – *with tablets*
Measured parameters: chlorine and pH
The box contains tablets for 20 measurement, tablets can be purchased separately as needed.

reagents, tablets, digital measu-ring devices

TOTAL HARDNESS TEST KIT

Test kit for the fast on-site determination of total hardness in tapwater, surface waters, industrial waters, feedwaters and primarily boiler waters.
Measurement range: 0,5–30 German degrees, no. of measurements (at 10 °dH): about 100.

RESIDUAL HARDNESS TEST KIT

Test kit for the fast on-site determination of residual hardness in cleaned water, industrial waters, feedwaters and primarily boiler waters.
Measurement range: 0–0,3 °dH, no. of measurements (at 0.1 °dH): about 300

COMPLETE 8 (high)

water-balance test kit (reagents can be purchased separately after the starter kit is over)
Measured parameters: free active chlorine, total chlorine, total bromine, pH and acid demand, alkalinity demand, calcium hardness, cyanuric acid content.
The kit contains the following: R-0001, 0002, 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012 reagents: 1 piece per each; R-0013 Cyanuric acid 2 pcs; 1 piece of sampler tester; 1 pc. of instructions for use; 1 pc. of measuring container for cyanuric acid.

ARSENIC MEASUREMENT CASE

portable arsenic quick test in a case, with powder reagents
for 100 measurements

Reagents, tablets for manual and digital measurement devices

TAYLOR REAGENTS – *liquid, 60 ml/bottle*

Taylor 0001-0013 reagents for the essential chemical parameters of water testing
Measurable parameters: free active chlorine, total chlorine, total bromine, pH, acid demand, alkalinity demand, total alkalinity, calcium hardness, cyanuric acid content.

DINAX® REAGENTS – *liquid, 200 ml/bottle*

liquid reagents for swimming-pool measurement in refill packaging
Recommended for public pools, for numerous, over 30 measurements per day. **Measurable parameters:** pH, chlorine, DEWAN®-50

TABLET REAGENTS – *tablet, 10 pcs/set*

suitable for manual and photometric measurement, tablets with long shelf-life
Types:
DPD1 (photometric and manual),
DPD3 (photometric and manual),
DPD 4 (manual),
Phenolred (photometric and manual),
Acidifying (photometric and manual),
Hydrogen-peroxide (photometric and manual),
Glycine tablet
Measurable parameters: chlorine (free and combined chlorine), pH, DEWAN®-20, DEWAN®-50 (hydrogen-peroxide), chlorine-dioxide

Water quality testing

photometers, digital measuring devices

Hanna photometers and manual measuring devices

HANNA CHLORINE-PH METER HI 96710

Hanna meter for accurate daily poolwater testing

Measured parameters: pH (6,1-8,1), free and combined chlorine (0,00-2,50 mg/l) This product is able to measure the above listed parameters quickly and accurately, so it is an excellent substitute for several chemical testkits. This meter combines accuracy with fast response time. Easy to handle, turns off automatically when not in use.

HANNA CHLORINE METER HI 701 CHECKER

colorimetric meter for free active chlorine measurement (0.00-2.50 mg/l)

Ideal middle course between cheap, but unprecise chemical testkits and accurate, but more costly professional measurement devices. The results can be read easily thanks to the large display. Easy to handle, turns off automatically when not in use. DPD1 tablet needed for the measurement.

HANNA PHOTOMETER multiparameter HI83203

photometer for water analysis

Developed for aquaculture. Suitable for the measurement of 13 different parameters. It can be connected to a computer via USB connection which helps to organize the measured results. With LCD display and HELP menu. The readings can be saved and reloaded with the touch of a button.

Lovibond photometers

LOVIBOND CHECKIT DIRECT PHOTOMETER

Easy to handle and it gives the results within a short time. Thanks to its compact design, its comfortable use at site is possible. The memory saves the last measurement results. Depending on the type it is able to measure 1-6 preprogrammed parameters ($CaCO_3$, Br, Cl_2, ClO_2, Cu^{2+}, Cys, Fe^{2+}/Fe^{3+}, pH, CH_4N_2O/urea/) by using the reagents of the manufacturer.

LOVIBOND MULTIDIRECT PHOTOMETER

Precision photometer for a wide range of applications (with reagents of long shelf-life)

Microprocessor-controlled photometer to prepare total water analytics with a very user-friendly design. With this product, it is possible to save personal settings, but there are a lot of original settings in the device that were calibrated to LOVIBOND reagent tablets and fluids. The whole device is waterproof.

Digital manual meters

AD12

digital pH-and temperature meter

Easy-to-use device with an accuracy of 0.01 pH and it is able to measure between the 2 to 14 pH-range. Displays the results on a digital display. Temperature compensated which further enhances the accuracy. No tablet or other reagent needed for its use. Recommended for residential and public swimming-pools. Excellent price-value ratio.

AD31

digital specific conductivity meter
Measurement range: 0–3999 µS/cm

With the use of this equipment you can check the change of dissolved salt content in your storage tank or hot tub quickly and accurately. (In most of the cases it increases). The increment must be controlled by a comparative measurement: the filling water or the data recorded at fill-up is compared to the swimming-pool water. Generally, at doubled specific conductivity value, some water-balance issues come up. Thanks to its measurement range, this device is suitable for checking the operation of RO (reverse osmosis) equipment as well. The device shows the values on a digital display and it is temperature-compensated (which further enhances the accuracy). Temperature can be displayed in °C-or °F. Recommended for use in public swimming-pools and residential pools as well.

AD32

digital conductivity-, total dissolved solids- (TDS) and temperature meter
measurement range: 0.00–20.00 mS/cm

The properties of AD31 are expanded in this device: the measurement range facilitates the testing of swimming-pool waters operating with salt chlorinators up to 10kg/m^3 salt level and by this the salt level of electrolytic salt chlorination-treated swimming-pools can be maintained on a permanent level. Water-proof meter.

Dinax® digital meters and devices

DINAX® PHOTOPEROX 300

photometer for hydrogen-peroxide measurement

Supports the accurate determination of the hydrogen-peroxide level in water. The result appears on a digital display with 1 mg/l accuracy, within the range of 0–300mg/l. Developed especially for the DEWAN®, DEWASIL® product families and it can be used with the DINAX® DEWAN®-50 reagent. The reagent itself is very selective (other chemicals present in the water do not influence it), so the accuracy of the measurement is extraordinarily high compared to similar products. Recommended mainly for public swimming-pools with a lot of measurements.

Packaging: delivered in a box with two cuvettes, battery and 60 ml of DINAX® DEWAN®-50 reagent.

TESTING CASE FOR SWIMMING-POOL MAINTENANCE SPECIALISTS

The case contains the following:

- AD 32: specific conductivity meter for providing a possibility to log the dissolved salt content of the water.
- AD 12: to measure the pH and temperature of water
- HANNA HI 701 CHECKER: photometer for checking the free active chlorine and total chlorine levels
- DINAX® PHOTOPEROX 300 for checking DEWAN® or DEWASIL® levels in the water
- Total hardness titration kit to determine water hardness
- Residual hardness test kit for checking the operation of water softeners
- Buffer solutions pH 4-7-9, for checking the operation of measurement and control devices; for periodic calibration of AD12
- reagents: DPD1-DPD3, Taylor #0001, #0002, #0003 reagents to measure free active and total chlorine

Note: the contents of the testing case can be modified, the above listed composition is our recommendation.

Chemical dosing pumps

swimming-pools chemical dosing pumps and measurement- and control devices

Stenner dosing pumps and spare parts

Our company is a representative, qualified distributor and official service centre of STENNER PUMP COMPANY. A permanent stock is kept of the spare parts of the distributed pumps.

STENNER PUMPS

Thanks to their elaborated design Stenner peristaltic dosing pumps ensure accurate dosing and reliable performance. These pumps are easily and quickly serviceable, the pump tube can easily be exchanged by the customer. The performance of pumps can be adjusted reliably between 5 and 100%. They work consistently even against 6.9 bar pressure. They can be used with gas-forming solutions as well. They are suited to dose several different solutions and chemicals without the damaging of pumps. Certain models can easily be converted to others.

Applications: dosing of water-treatment chemicals in swimming-pools and sport facilities; water conditioning, private water supply (disinfection, oxidation, pH control); catering (drain line maintenance); animal health (injection of pharmaceuticals, disinfection, timed water dosing); industry (injection of additives into the system disinfection, oxidation, pH control, coagulation, anti scaling, dosage of detergents, rust prevention); cooling towers (algae control, pH control, scale control, Legionella prevention)

STENNER 45 M	STENNER 100 DM
STENNER 45 MP	STENNER 100 DMP
STENNER 45 MHP	STENNER 100 DMHP
STENNER 45 MPHP	STENNER 100 DMPHP
STENNER 85 M	STENNER 170 DM
STENNER 85 MP	STENNER 170 DMP
STENNER 85 MHP	STENNER 170 DMHP
STENNER 85 MPHP	STENNER 170 DMPHP

Key: M: mechanic, P: fixed output, D: double head, HP: high pressure

Other chemical dosing solutions

NAVIDOS DOSING MODULE

water meter + PUMP CONTROL MODULE + STENNER 45 MPHP dosing pump

The device controls the dosing pump according to the pulses of the water meter and this enables the pump to dose the chemicals (primarily disinfectants) accurately depending on the quantity of the supplied water. Especially recommended for swimming-pools with fill-discharge system, where the volume-controlled dosage of the disinfectant can be a solution for bacteriological problems.

TIMER DOSING PUMP

peristaltic time-controlled dosing pump with 1.4 l/h performance

Recommended either for dosing Dewan-18 disinfectant or flocculants in larger swimming-pools. Dosing frequency and length is adjustable. Max. dosage: 24 ml/min. Operating pressure 1 bar.

Measurement and control devices

Dinax® Genius and Dinax® Basic measurement and control automats

These equipment facilitate the continuous control and maintenance of disinfectant- and pH-levels in the swimming-pool water. Measured parameters: pH, free active chlorine, redox potential, DEWAN®-50 – depending on the type of the equipment.

DINAX® BASIC TIMER-PH (/PUMP)

measurement-and control automat for the measurement of pH with a further timer controller

The equipment measures the pH of swimming-pool water, continuously controls the dosage of pH-reducer and also controls a dosing pump by a timer. pH appears on the display with 0.1 pH accuracy. It is possible to order the equipment with two STENNER 45 MPHP peristaltic pumps (/PUMP model) or without.

DINAX® BASIC RX-PH (/PUMP)

measurement and control automat to measure the pH and redox potential

The task of the device is to continuously control and maintain the appropriate level of disinfectant and pH in the swimming-pool water and to control the connected dosing pumps according to the measured value of pH and redox potential. Measurement electrodes can be directly connected to the input of the device. pH appears on the display with 0.1 pH accuracy. Redox potential (disinfectant) is displayed with 1 mV accuracy. The device is suitable for controlling salt chlorinators as well. It is possible to order the equipment with two STENNER 45 MPHP peristaltic pumps (/PUMP model) or without.

DINAX® GENIUS CL-PH (/PUMP)

measurement and control automat to measure the pH and free active chlorine level

Continuously measures and displays the momentarily pH and free active chlorine level of swimming-pool water. Equipped with an integrated sample water filter and a flow sensor. The composition does not contain any pumps, doses pH-reducer and disinfectant by the connected pump periodically or continuously. It is possible to order the equipment with two STENNER 45 MPHP peristaltic pumps (/PUMP model) or without.

DINAX® GENIUS DW-PH (/PUMP)

measurement-and control automat to measure the swimming-pool water pH and DEWAN®-50 level

Continuously measures and displays the momentarily pH and DEWAN®-level. Equipped with an integrated sample water filter and a flow sensor. The composition does not contain any pumps, doses pH-reducer and disinfectant by the connected pump periodically or continuously. It is possible to order the equipment with two STENNER 45 MPHP peristaltic pumps (/PUMP model) or without.

water treatment media

Filtering materials

BURNT QUARTZ SAND

swimming-pool filter media

Grain sizes: 0,4–0,8 mm; 0,6–1,2 mm; 1,6–3 mm; 3–6 mm

It has significantly better filtering- and cleaning properties than washed quartz sand. Due to the burning process, the organic pollutants are burnt out from the quartz sand, so it will not contain any organic and other materials which facilitate the growth of bacteria or microorganisms. • **Available packaging sizes: 25 kg bag**

ANTHRACITE (0,8–1,6 mm and 1,4–2,5 mm)

swimming-pool filter media

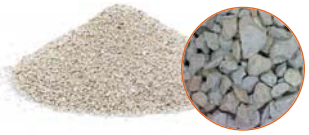
The second most frequently used filtering material used in multilayer, mixed bed swimming-pool filters. **Application**: Elimination of turbidity and floating pollutants, fine filtration e.g. after softening, elimination of colloids, protection of activated carbon filters, softeners and RO. **Advantages**: more effective filtration, less wastewater, larger filtering speed, longer working hours. • **Available packaging sizes: 25 kg bag**

ZEOFILT (zeolite, 0,6–2 mm)

swimming-pool filter media

Available grain sizes: 1–2 mm; 2–3 mm; 1,6–3 mm; 3–6 mm

Swimming-pool filter media with larger filtering capacity than filter sand. This material can be used in sand-filters (no need to change anything in the construction), but a quantity of 35% less than filter sand will be needed. Thanks to its pores, filtering capacity is larger than that of filter sand, so it needs to be backwashed less. Its small pore size enables this material to filter out small particles (e.g. algae and spores). • **Available packaging sizes: 25 kg bag**



FILTER GLASS

filter granules for the removal of organic materials

Grain sizes: 0,5–1,0 mm; 1,0–2,0 mm; 2,0–6,0 mm

Filter Glass has been developed to become a substitute for filter sand in fast gravity- and pressure operated sand filters. **Benefits**: The product is prepared by the recycling of glass and it is much more effective than sand: it ensures greater water clarity and better water quality, its smooth microsurface has self-sterilizing and oxidating properties, it contaminates less with grease, lipids and biological growth, helps reducing the carcinogenic by-products of chlorine-based disinfectants (trichloramines) and it needs approximately half the ammount of water for its backwash cycle than sandfilters do. 100% environmentally-friendly.

Available packaging sizes: 25 kg bag

Activated carbons

SILVER-IMPREGNATED ACTIVATED CARBON

steam-activated, silver impregnated activated carbon granules

Application: removes micropollutants, detergents and insecticides, phenol compounds oil-products, other organic compounds, haloforms from the water to be treated. Removes the free active chorine content from water by adsorption. Due to its silver content this product is able to prevent the living organisms from proliferation on the surface of the carbon. • **Available packaging sizes: 25 kg bag**

ACTIVATED CARBON K835

steam-activated active carbon granules

Prepared from steam activated coco-shell, these granules have been developed primarily for drinking-water treatment technologies. Thanks to its large active surface shown by the iodine number, this product is able to adsorb a large quantity of (chlorinated) organic materials, aromatic hydrocarbons and other organic derivatives. • **Available packaging sizes: 25 kg bag**

ACTIVATED CARBON POWDER FOR DIATOMACEOUS ARTH FILTERS

activated carbon powder for swimming-pool water regeneration

Mixed with diatomaceous earth in 1:1-1:18 ratio it reduces the concentration of dissolved compounds (that can be removed by activated carbon) in swimming-pool water. **Application**: periodic, in case the increase of some values, until their reduction. **Packaging: can be adjusted according to the needs of Customer**

ACTIVATED CARBON FLOUR

activated carbon powder for swimming-pool water regeneration, for sandfilters

This product can be used in swimming-pool systems with sandfilter to reduce the concentration of trihalomethanes (THM), chloramines (combined chlorine), oils and greases. Dosed together with a flocculant, the activated carbon adsorbs the contaminants and the carbon itself becomes flocculated then filtered out. Recommended primarily for public swimming-pools.

Packaging: can be adjusted according to the needs of Customer

Iron-and manganese removal media

BIRM

granulated filter media to remove iron and manganese

Benefits: extremely high effectiveness in iron-removal, within appropriate conditions no chemical is needed for the maintenance, no regeneration needed, negligible oparating cost: only periodic backwash is needed. Durable material with long lifetime and wide temperature range. **Recommended pretreatment**: with oxidative substance. • **Available packaging sizes: 1 kg PE bag; 28.3 l**

MAZ

granulated filter media to remove iron and manganese

Granulated filter media to remove iron and manganese. Effective in removing low (up to 3 ppm) iron levels. Mechanic prefiltration is recommended!

Available packaging sizes: 1 kg PE bag; 28.3 l bag

PYROLOX

granulated filter media to remove hydrogen-sulphide, iron and manganese

Benefits: effective in iron-, sulphur- and manganese reduction; long operation lifetime and low yearly bed aging; no chemical regeneration needed, only regular backwash. Pretreatment: with oxidative substance. **Available packaging sizes: 1 kg PE bag; 22.7 kg or 27.2 kg bag**

GREENSAND

iron-, manganese and sulphydric removal media

Benefits: iron reduction within wide pH-range, effective reduction of hydrogen-sulphide together with the reduction of iron and/or manganese, not sensitive to chlorine, reconditionable. • **Available packaging sizes: 28.3 l bag**

water treatment media

Scale remover media

SILICOPHOSPHATE GRAINS

crystals dissolving in water for scale-prevention

Media used in silicophosphate cartridges in domestic water-treatment.

Available packaging sizes: 1 kg PE bag

Fluoride removal media

FLUORIDE REMOVAL MEDIA – *granules*

aluminium-oxide coated media for the reduction of fluoride levels

Recommended in case of waters with high fluoride content. Product with excellent capacity and reliable effectiveness in the reduction of fluoride content of waters.

Available packaging sizes: 25 kg bag

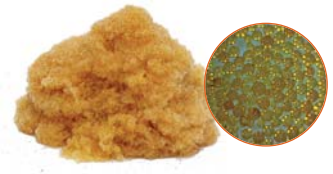
Resins

CATION-EXCHANGE RESIN

for water softening

Media used in polyesther tanks of water-softeners. Task: to exchange the calcium-and magnesium ions to sodium ions. Expectable lifetime of resin in case there is prefilter installed: 4-6 years.

Available packaging sizes: 25 l bag



NITRATE REMOVAL (anion exchange) RESIN

media for nitrite-and nitrate removal

Placed into a nitrate removal equipment, the resin adsorbs the nitrite- and nitrate content of water flowing through it, substituting them with chloride ions. Reconditionable by salt.

Available packaging sizes: 25 l bag

ANION-CATION EXCHANGE (mixed bed) RESIN

resin to prepare desalinated water

This product is needed in several applications (eg: in boiler systems, in pharmaceutical industry, food industry, glass industry and others) where the preparation of desalinated water is solved by mixed-bed desalinators. Not reconditionable at the site, when saturated it has to be delivered to our premises. Recommended to our DMX type equipment. Sold only filled into tank.

Salt for water-softening

TABLETED SALT – *50 g tablet*

99,7% clarity NaCl (salt) in form of tablets

Primarily recommended for the regeneration of resins in water-softeners.

Available packaging sizes: 25 kg bag

VACUUM SALT – *granules*

99,7% clarity NaCl (salt) granules

Recommended primarily for electrolytic salt-chlorinators.

Available packaging sizes: 25 kg bag

Chemicals for industrial purposes

DINOX® 03 – *liquid and granule – two components!*

chlorine-free (active oxygen-based) disinfectant principally for drinking-water treatment

The use of this product is mainly proposed for community waterworks in the field of drinking water treatment, although it is also suitable for the disinfection of waters in cooling towers, air-conditioning systems and food-processing industry. Its use can prevent biofilm formation, and the product effectively kills Pseudomonas Aeruginosa and Legionella Pneumophila microorganisms as well. • **Available packaging sizes: 20 kg returnable can**

DEWASIL® – *liquid*

chlorine-free drinking-water disinfectant

Colourless, odourless, durable effect, hydrogen-peroxide based powerful bactericide, virucide and fungicide product. **Advantages**: 100% biologically degradable product. If used as prescribed by its manual, the product does not modify the pH-value of water, non-corrosive, does not induce foaming or taste- and smell change, it can be used for hot water (up to 95°C) treatment. No chlorine smell, dillutable with water without limits and its use does not require higher investment than other conventional disinfectants. 2 years shelf-life. **Fields of application**: food-processing industry; disinfection and algae removal of air-conditioning systems and cooling appliances; surface and device disinfection in hospitals or public buildings; cosmetics and pharmaceutical industry; drinking-water cleaning; disinfection of reservoirs, containers, tubes and wells. • **Available packaging sizes: 10 and 25 kg returnable cans**

DINAX® MEMBRÁNTREAT F – *liquid*

RO-pretreater, antiscalant liquid

Effective antiscalant liquid to prevent scaling in membrane-separation systems.

Available packaging sizes: 25 kg returnable can

DINAFLOW L – *liquid*

boiler-feed water alkalizer

Alkalizing mixture suitable for the adjustment of water pH in boiler-feedwater treatment. (The active agent of the chemical is not sulphite, so after the removal of oxygen it does not elevate the concentration of corrosive ions (e.g.: SO_4^{2-}) It is practical to dose DINAFLOW L following carbon-dioxide and oxygen-removal. **Benefits**: prevents corrosion, strong alkalizing properties, effective even in small quantity, it does not contain volatile additives.

Available packaging sizes: 25 kg returnable can

DINAFLOW O – *liquid*

oxygen-remover chemical for boiler-feedwater

Effectively and quickly removes oxygen thus preventing metalic surfaces from corrosion caused by dissolved oxygen present in the feedwater. The product has to be dosed into the feeding line proportional to the water quantity, practically after heating up the feedwater. Quickly removes oxygen through a chemical method; able to remove even the small quantity of oxygen that remained in the water after outgassing; does not evaporate by steam, its dosage can be controlled with a simple measurement. • **Available packaging sizes: 20 kg returnable can**

DINAFLOW PO – *liquid*

surface passivation impact, phosphate containing boiler-feedwater conditioning chemical

A product with good dispersing properties. Dosed to desalinated waters it protects steel surfaces from corrosion without the adsorption of carbon-dioxide, then it ensures the prescribed P_2O_5 content of boiler water. **Benefits**: provides a phosphatic protection of metalic surfaces, prevents corrosion; effective hardness stabilizer and dispergent; does not evaporate with steam. • **Available packaging sizes: 20 kg returnable can**

POTASSIUM-PERMANGANATE – *powder*

oxidant

Suitable for raising the effectiveness of iron-removal for dosing in front of iron- and manganese removal equipment. • **Available packaging sizes: 1 kg box, 10 kg pail**

Water softeners

DINAMATIC 10 – DINAMATIC 30

equipment for domestic applications with cabinet
Ion-exchange water softeners for scale prevention.

The special ion-exchange resin exchanges the scale causing calcium- and magnesium ions to sodium ions. At certain intervals the resin needs to be regenerated by salt. This is controlled automatically by the equipment itself. Installed with a prefilter, the lifetime of the resin is: 4–5 years. Up to 10×35" tanksize the polyesther tank containing the resin is placed into a plastic cabinet, in which the tableted salt has to be placed. The CLACK controlling valve seen above the cabinet controls the regeneration.

DINAMATIC 10 – DINAMATIC 130

industrial size water softeners
Single tank, automatically controlled softeners
(DINAMATIC-10 A/P E – DINAMATIC-130 A/P E)

Single tank softeners cannot produce soft water during the regeneration (periodic operation). By automatic control, without external intervention – at preprogrammed times (time-controlled version) or after producing a determined quantity of water (volume-controlled version) – the valve initiates the regeneration of the saturated resin by using up the salt filled into the cabinet. After regeneration, the softener switches back to normal operation.

Double tank, automatically controlled softeners
(DINAMATIC-10 A/P E – DINAMATIC-130 A/P D)

Double-tank softeners ensure continuous softwater production. One tank works at a time, the other is waiting as a reserve tank. The automatic control valve initiates the regeneration of the saturated resin column, and executes the steps of regeneration on its own. Regeneration is made by using the tableted salt filled into the cabinet. During the regeneration cycle, the second column takes over the softwater production from the first one.

DLK MANUALLY OPERATED WATER SOFTENER PRODUCT GROUP

Manual softeners for domestic and industrial purposes.

Application: to satisfy periodic softwater needs (e.g.: filling-up of heating systems, swimming-pools, pools and jacuzzi). In the case of manual softeners, regeneration is intiated manually, at site, by means of water flowing through vacuum salt (NaCl).

Desalinators and RO equipment

DMX MIXED-BED DESALINATOR

The equipment is filled with mixed anion-cation exchange resin, thus it can produce a totally desalinated water with a steady, 1-20 μS/cm specific conductivity. Application: Steam irons of laundries, feedwater of steam-boilers, preparation of laboratory waters, hospitals, cosmetics manufacturers. It is recommended to buy a second column as in the case of resin saturation, resin is exchanged for a regeneration cost and during the exchange the second column must be used. The softener is equipped with a conductivity meter, so when the specific conductivity exceeds 20μS/cm, the equipment signals it.

DINAMATIC DX-RO 150-50000

reverse osmosis desalinator equipment group

Application: to reduce or remove the salt content and to eliminate organic pollutant components. Recommended for the production of industrial water for food processing plants; for aquarists and for manufacturers of cosmetic products. The reverse osmosis technology is a typical physical separation procedure, where a membrane partially retains dissolved salts. The recovery of RO is 98-99%, permeate/raw water ratio can be between 50-80%.

Iron-and manganese removal equipment

DINAMATIC DX-VSZ 200 – DINAMATIC DX-VSZ 2000

iron- and manganese removal product group

Multimedia-filled equipment for iron-removal

After a pretreatment with an oxidant, the precipitated iron is filtered out on a multimedia-filled equipment. By this, it is avoidable that the iron dissolved in the water after getting in touch with oxygen forms a precipitate and causes a yellowish-brown stain on materials in contact water. The components of the iron-removal equipment: oxidant dosage (potassium-permanganate, NAVIDOS dosing device), iron-removal equipment, disinfectant dosage (DEWASIL®, DINOX® 03, NAVIDOS dosing device)

Equipment with manganese-activated media for MANGANESE REMOVAL

If besides the iron content of the water, manganese content is also high, a catalytic media is filled into the pressure tank. Before the filter, oxidative substance (potassium-permanganate) is added to the water with the help of a NAVIDOS proportional dosing pump. This oxidates iron and manganese and regenerates the media at the same time. No other oxidant can be used!

Activated carbon-filled equipment

DINAMATIC DX-ASZ 200 – DINAMATIC DX-ASZ 2000

activated carbon-filled equipment group

Application: before RO unit; for dechlorination purposes

The task of activated carbon filters is to remove free active chlorine, haloform compounds harmful to health and taste- and smell maleficent materials present in the water. The excellent adsorbent media of the equipment reduces the organic matter content of the water and filters out mechanic pollutants. The activated carbon media backwash is done by the control automat periodically, without intervention. No constant surveillance is needed for this equipment. After the adsorption capacity is over the media has to be raplaced.

All members of Dinamatic product group are provided by ÉME (national technical approval) and OTH (Medical Officer Service) licenses.

Mechanical filtration

Filter housings

FILTER HOUSINGS WITH METAL OR PLASTIC CONNECTION FOR FILTER CARTRIDGES

The filter housing that can be built-in the water pipeline consists of 2 parts:
1. polypropylene filter house head with plastic or metal connection, the size of thread can be ½"–1 ½ ".
2. filter bowl (polycarbonate filter housing) into which the cartridge can be placed (available lengths 5", 10" and 20")
Operating pressure: 8 bars, operating temperature: 0-50 °C.

Mechanical filter cartridges

Recommended for the removal of mechanical pollutants (rust- and sand particles), for the protection of household equipment. **General domestic application**: drinking-water filtration, protection of taps, boilers, washing-machines and other equipment.

POLIPOR CARTRIDGE

Mechanical filtration (5–25 µm, 25–50 µm, 75–100 µm); *available sizes: 5"–10"–20"*
Filters through its total cross-section (**depth filtration**), so it is able to filter out a significant quantity of pollutants without clogging and causing only small pressure difference. It can be cleaned under water with the help of a brush, so its lifetime is longer than that of other depth filters.

PURTREX CARTRIDGE

Mechanical filtration (1–5–20–50 µm); *available sizes: 10"–20"–30"*
For effective removal of rust, scale, sand and fine particles. Provides excellent results in depth filtration by its effectiveness in particle retainment and its lifetime. Industrial application: effective prefilter before RO membranes and UV equipment; filtration of water and other fluids i chemical industry, petrolchemical industry, pharmaceutical industry and food industry; postfiltration of activated carbon-filled units. **Average lifetime**: various, maximum 6 months.

WASHABLE NET CARTRIDGE

Mechanical filtration (80 µm); *available sizes: 5"–10"–20"*
Polypropylene body with washable nylon net inside to remove mechanical pollutants (rust and sand) (**surface filtration**). The pollutants retained on the surface of the cartridge can be washed-off easily, so the lifetime of cartridge is longer than that of the depth filters. **Industrial application**: prefiltration in front of water pumps, disinfectant systems and industrial applications. **Average lifetime**: approx. 24 months, washing is recommended in every third months.

SPIRAL WOUND CARTRIDGE

Mechanical filtration (20 µm); *available sizes: 5"–10"–20"*
Spiral wound, pure polypropylen cartridge for **depth filtration**. Filters through its total cross-section, so it is able to filter out a significant quantity of pollutants without clogging and causing only small pressure difference. After a certain water ammount flowing through it, the filter gets clogged in its total cross-section and needs to be replaced. **Industrial application**: prefiltration in front of water pumps, disinfectant systems and industrial applications; filtration of water and other fluids in industrial applications e.g. chemical industry, petrolchemical industry, photography, pharmaceutical industry etc. Max. operating pressure: 6 bars, max. pressure difference: 0.8 bars, **average lifetime**: 3-6 months.

CERAMIC CARTRIDGE

Mechanical filtration (0,4 µm – bacteria); *available sizes: 10"*
Special cartridge prepared from mineral powder with the origins of diatom, for mechanic sterilization. Filters out bacteria with even 0.4 µm size.

Multifunctional filter cartridges

One cartridge is good for another function besides mechanical filtration.

SPIRAL WOUND CARTRIDGE WITH ACTIVATED CARBON

Mechanical filtration (50 μm) + chlorine-, heavy-metal- and oil removal; *available sizes: 10"–20"*

Spiral wound, pure polypropylen cartridge with activated carbon. Unifies the benefits of spiral wound and activated carbon filters. **Application**: as prefiltration and for the reduction of tastes and smells caused by chlorine and other organic materials in the water; for removal of pesticides, insecticides and chlorine-containing solvents from the water. **Domestic application**: filtration and treatment against chlorine in the case of washing-machines, showers and drinking-water units. **Industrial application**: treatment against chlorine in food industry, chemical industry and pharmaceuticals industry; prefiltration of RO. **Average lifetime**: 3 months

CERAMIC CARTRIDGE WITH ACTIVATED CARBON

Mechanical filtration (0,4 μm, bacteria!) + chlorine-, heavy-metal- and oil removal; *available size: 10"*

The ceramic filter of the cartridge removes suspended solids up until 0.4 μm size (bacteria filtration). The silver impregnated activated carbon removes the hazardous chemical contaminants (pesticides and herbicidals), chlorine based components, tastes and smells caused by chlorine. The filter media does not modify the mineral content of water. Recommended for domestic drinking water treatment.

ULTRAFILTER CARTRIDGE WITH ACTIVATED CARBON

Mechaical and microfiltration (0,02 μm, viruses!) + chlorine-, heavy-metal- and oil removal; *available size: 10"*

Extruded activated carbon combined with large filtration capacity capillary membrane. The capillary membrane removes dangerous bacteria and most of the viruses with its filtration size of 0,02 μm. The activated carbon removes hazardous chemical contaminants (pesticides and herbicidals), chlorine based components, tastes and smells caused by chlorine. The filter media does not modify the mineral content of water. Recommended for domestic drinking water treatment.

Chlorine removal, iron removal, scale removal

SILVER ACTIVATED CARBON CARTRIDGE

Fitration by adsorption, chlorine-, heavy-metal- and oil removal, disinfection (10 μm); *available sizes: 5"–10"*

Polystyrol cartridge filled with silverized activated carbon. Application: for the reduction of chlorine-and organic content, elimination of taste-and smell. Main properties: after a certain amount of water (depending on the quality of water to be treated) the filter looses its cleaning capacity and its replacement is needed.

ACTIVATED CARBON BLOCK CARTRIDGE

Chlorine-, heavy-metals and oil removal (10 μm); *available size: 10"*

Moulded active carbon cartridge. Application: reduction of chlorine-and organic matters, bad tastes and smell.

IRON REMOVAL CARTRIDGE (MAZ)

Cartridge to be placed into a filter housing for iron- and manganese removal; *available size: 10"*

The granulated carbon media can be applied to effectively remove low iron levels (up until 3 ppm).
Mechanic prefiltration is recommended!

SILICOPHOSPHATE CARTRIDGE

Scale removal; *available size: 5"–10"*

Effectively prevents scale precipitation. Its use is recommended in households up until 20 °dH

Hexagone underwater cleaning robots

represented brands: Hexagone, Clack, John Guest

Automatic cleaning robots - CHRONO ECO BRAND

CHRONO ECO 450

Automatic underwater cleaning robot. Ideal choice for hotels, campings. Recommended for swimming-pools shorter than 25 m where the daily bather load is not larger than 100 persons. **Filtration**: 105 micron

CHRONO ECO 510

Automatic underwater cleaning robot. Excellent for the cleaning of larger public swimming-pools and daily maintenance of 25 m long indoor and outdoor swimming-pools. **Filtration**: 105 micron

CHRONO ECO 510 PLUS

Automatic underwater cleaning robot. Although this product is only 80 mms wider than CHRONO ECO 510, it is capable of cleaning even 450 m^2 of swimming-pool area. Quickly and easily cleans larger swimming-pools with a daily bather load of 150-200 persons. **Filtration**: 105 micron

CHRONO ECO 730

Automatic underwater cleaning robot. The best choice for 33-60 m long swimming-pools with a bather load of 200-600 persons per day. Cleans a swimming-pool area of 1500 m^2 easily and quickly. **Filtration**: 250 micron

Automatic cleaning robots PREMIUM BRAND

PREMIUM 600 UNDERWATER VACUUM ROBOT

Automatic underwater cleaning robot. Recommended to be used for rectangular or special shape, even or changing depth swimming-pools. Ideal for 25 and 33 m long swimming-pools with 200-600 bathers per day. Its filtration capability is better than that of the CHRONO ECO BRAND. (5 micron)

PREMIUM 750 UNDERWATER VACUUM ROBOT

Automatic underwater cleaning robot. Appropriate for selective professionals, for 50 m long swimming-pools with more than 500 bathers per day. Its filtration capability is better than that of the CHRONO ECO BRAND. (5 micron)

Manual cleaners - QUICK VAC BRAND

QUICK VAC CLASSIC

Manual underwater vacuum-cleaner, for especially quick and effective cleaning. Recommended for residential pools and hotels. Suitable for cleaning swimming-pools of any shape and size, min. depth: 40 cm. Thanks to its simplicity and rapidity it is especially liked by the users.

QUICK VAC BABY - UNDERWATER CLEANER FOR FOUNTAINS

Manual underwater vacuum-cleaner, enabling a fast and effective cleaning of shallow waters. Min. water depth: 10 cm. Especially suitable for cleaning fountains, baby swimming-pools and other shallow pools.

QUICK VAC XL

Manual underwater vacuum-cleaner, enabling a fast and effective cleaning of large swimming-pool areas and swimming-pools of aquatic centres.

Clack control valves

automatic control valves for water-treatment equipment
Principal application areas: water-softening, iron-removal, activated carbon and multimedia filtration.
Control valves are made of composite plastic, they ensure high flow rates, and they can be programmed as needed.
The most important functions: upflow or downflow regeneration, (1" control valve), delayed regeneration possibility, optimal salt consumption, double back-wash and calculation of spare capacity. History reproducible from memory supports a fast and accurate service.
Control valves can easily be switched to twin design and thanks to the System Controller 2 to 6 pieces of any size can easily be connected together.
Clack valves are reliable and effective. Their simple handling makes them suitable for use in both domestic applications (mainly softening) and industrial facilities.

WS1 CI

MAV WS1

WS 1.5 CI

MAV WS2

WS 2 CI

NHWBP 1

WS 3

NHWBP 2

Types:
WS1 CI; WS 1.25 CI; WS 1.5 CI; WS2; WS 3
NHWBP (No Hard Water ByPass);
MAV (Motorized Alternating Valve);
System Controller

System Controller

John Guest (JG) spare parts

quick connection fittings
JG fittings can be built in easily and they provide a lasting, stable and sealed connection between the pipe and the connector.
The patented locking technology ensures fixation of the tube without its depression and without reducing the quantity of water flowing accross.

The PP series of plastic joints are prepared from white polypropylene with EPDM O-rings.
Recommended as connector fittings of swimming-pool measurement and control devices, and dosing pumps. The quality of material makes it very resistant, so it is appropriate for the vast majority of the water-treatment chemicals.

Maximum temperature-and pressure data:
at 20°C: 10 bars
at 60°C: 4 bars
Minimum application temperature: 1°C

represented brands: Structural pressure tanks

Structural pressure tanks

composite and fiberglass pressure tanks for domestic and industrial applications
Structural tanks are recommended for softening and filtering equipment.
Benefits:
available in wide size range
maximum operating pressure 10 bars.
their testing is made by a 250 000 cycle endurance test
design safety factor 4:1

Composite pressure tanks are prepared in 48 °C and max 65 °C version, fiberglass ones are prepared in 48 °C version.

Composite pressure tanks available sizes:

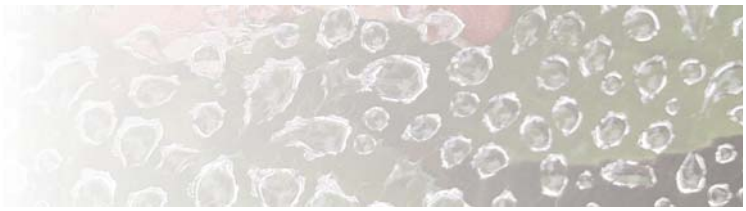
Size (inch)	Volume (liter)
18x65	236
21x62	312
24x65	378
24x72	450
30x72	708
36x72	999
42x72	1306
48x72	1753
63x67	2271
63x86	3218
63x116	4732
63x144	6057

Fiberglass pressure tanks available sizes:

Size (inch)	Volume (liter)
06x13	4.2
08x35	25
09x35	31.4
10x35	38.6
10x54	62
12x48	78
13x54	104
14x47	104
14x65	154
16x65	185

CIP pumps

Cleaning in place (CIP) – pumps suitable for local cleaning
Large capacity, chemical resistant centrifugal pump, placed into a transparent, scaled chemical resistant tank. The flow direction of chemical liquid can be changed with the help of a reversing valve.
Application: for antiscaling, disinfection and other chemical treatment of circulation boilers, heat exchangers, central heating systems and water-treatment equipment.



Product list

Activated carbon K835 25
Activated carbon block cartridge 31
Activated carbon flour 25
Activated carbon powder for diatomaceous earth filters 25
AD12 digital pH-and temperature meter 20
AD31 difital specific conductivity meter 21
AD32 digital conductivity, TDS and temperature meter 21
Adisan Spa 11, 17
Alga-sokk® P 7, 8, 9, 11, 12, 13
Alga-sokk® WP 2 g-os 12
Algi-cid 7, 9, 11, 13
Anion-cation exchange (mixed-bed) resin 26
Anthracite (0,8–1,6 mm and 1,4–2,5 mm) 24
Aqua Eazi gelcube 14
Arsenic testing case 19
Biopool G 17
Birm 25
Blue Super Tabs T 8, 10
Blue Super Tabs WP 12
Burnt quartz sand 24
Cation-exchange resin 26
Ceramic filter cartridge 30
Ceramic filter cartridge with activated carbon 31
Chemical dosing 22
Chloralgin 7, 9, 11, 13
Chlorine/bromine/pH test-strip 18
Chlorine/bromine/pH mini test-kit 18
Chlorine-dioxide test-strip 18
Chrono Eco 450 32
Chrono Eco 510 32
Chrono Eco 510 Plus 32
Chrono Eco 730 32
Clack control valves 33
Complete 8 (high) 19
De-vízkő F (Antiscale F) 16
De-vízkő G (Antiscale G) 16
De-vízkő P (Antiscale P) 16
Dewan®-7 12, 14, 15
Dewan®-18 8, 10, 12
Dewan®-20 T 10
Dewan®-20 WP 12
Dewan®-35 6, 8, 10
Dewan®-50 6, 15
Dewan®-20 test-strip 18
Dewan®-50 test-strip 18
Dewan®-20 test-kit 18
Dewan®-50 test-kit 18
Dewasil 27
Dinadox® A+B 6, 8
Dinaflow L 27
Dinaflow O 27
Dinaflow PO 27
Dinamatic 10 – Dinamatic 30 28
Dinamatic 10 – Dinamatic 130 28
Dinax® Alkáli Plusz P 16
Dinax® Aquabróm WP 12
Dinax® Basic Timer-pH (/Pump) 23
Dinax® Basic RX-pH (/Pump) 23
Dinax® Cleaner F 16
Dinax® Cover Cleaner F 14
Dinax® Desinfectant F 17
Dinax® Filter Cleaner F 14
Dinax® Flock F 7, 9
Dinax® Flock F 100 ml 11, 13
Dinax® Flock P 7
Dinax® Foszfát Mínusz P 14
Dinax® Genius Cl-pH (/Pump) 23
Dinax® Genius DW-pH (/Pump) 23
Dinax® Habstop F (Foam STop) 13, 14
Dinax® Hidromínusz F 7
Dinax® Hypox F 6
Dinax® Kalcium Plusz P 16
Dinax® Klorin F 6, 8, 10
Dinax® Klorin F with Dinadox additive 6, 8, 10
Dinax® Membrántreat F 27
Dinax® Metal Magic F 15, 16
Dinax® Mínusz F 7, 9, 11
Dinax® Mínusz P 9, 11, 13
Dinax® Photoperox 300 21
Dinax® Plusz F 7, 9
Dinax® Plusz P 11, 13
Dinax® Reagents 19
Dinax® Szegélytisztító F (Border Cleaner) 17
Dinax® Téliesítő (Winterizer) 15
Dinax® Water Repellent F 17
Dinox® 03 27
Dissolved salt test-strip 18
DLK manual operation water softener product group 28
DMX mixed-bed desalinator equipment 28
DX-ASZ 200 – DX-ASZ 2000 29
DX-RO 150 – DX-RO 50000 29
DX-VSZ 200 – DX-VSZ 2000 29
Filter cartridges 30-31
Filter housings 30
Filter media 24
Filtering media 24-26
Fluoride-removal media 26
Glass filter media 24
Greensand 25
Hanna chlorine meter HI 701 Checker 20
Hanna chlorine-pH meter HI 96710 20
Hanna photometers 20
Hexagone cleaning robots 32
Industrial chemicals 27
Interacid 16
Iron-removal cartridge (MAZ) 31
Iron-removal equipment 29
Iron test-strip 18
John Guest spare parts 33
Lovibond Checkit Direct Photometer 20
Lovibond Multidirect Photometer 20
Lovibond photometers 20
MAZ 25
Measurement and control devices 23
Navidos dosing module 22
Nitrate removal resin 26
Nitrite-nitrate test-strip 18
Nulla-klór P 14
pH test-strip 18
Phosphate test-strip 18
Photometers 20-21
Photometer Hanna Multiparameter *HI83203* 20
Polipor cartridge 30
Potassium-permanganate 27
Premium 600 underwater cleaning robot 32
Premium 750 underwater cleaning robot 32
Purtrex cartridge 30
Pyrolox 25
Quick Vac Baby - underwater cleaner for fountains 32
Quick Vac Classic - underwater cleaner 32
Quick Vac XL - underwater cleaner 32
Reagents 19
Residual hardness test-kit 19
Resins 26
Sauna-oil fragrances 17
Silicophosphate 25
Silicophosphate cartridge 31
Silver activated carbon cartidge 31
Silverized activated carbon 24
Solarmed Rapid 15
Spiral-wound cartridge 30
Spiral-wound cartridge with activated carbon 31
Stabil Klór T 8, 10
Stabox® 6
Stabox® Garden Ponds 15
Steam-room-aromas 17
Stenner pumps 22
Tablet reagents 19
Tabletted salt 26
Taylor reagents 19
Testing case for swimming-pool maintenance specialists 21
Test-kits 18-19
Test-strips 18
Timer dosing pump 22
Tiszta Tó (Clear Pond) 15
Total hardness test-kit 19
Ultrafilter with activated carbon 31
Vacuum salt 26
Washable net cartridge 30
Water-softeners 28
Whirlpool fragrances 17
Zeofilt (Zeolite) 0,6–2 mm 24

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